

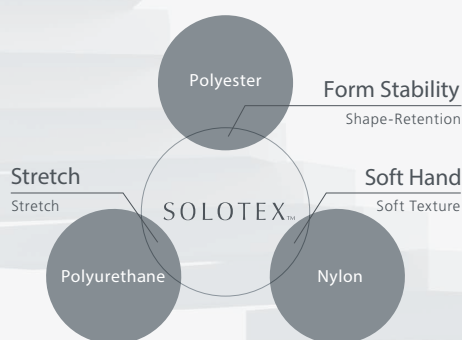
SOLOTEX™

Comfort beyond words

TEIJIN
Human Chemistry, Human Solutions

The positioning of SOLOTEX™

SOLOTEX™ is made from polytrimethylene terephthalate (PTT), a type of polyester fiber.



Line-up

SOLOTEX™ product families

SOLOTEX™ Multifilament

The standard series of SOLOTEX™ multifilament yarns. A high thread count type with specially enhanced soft texture is also available.

SOLOTEX™ Conjugate filament

The high-stretch series of SOLOTEX™ multifilament yarns. Soft texture and superb shape recovery.

SOLOTEX™ Staple fiber

The SOLOTEX™ staple fiber series. Also available as non-clothing material in the form of nonwoven fabrics, cushioning material, and filling.

Features Seven defining characteristics of SOLOTEX™



Outstanding softness



Excellent shape-retention



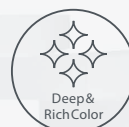
Comfortable stretch



High compatibility with other fibers



Superior cushioning



Outstanding dyeability



Reduction of environment load



Soft & Smooth

Super soft feel and smoothness for comfort.

The moment you touch it, you understand the softness of SOLOTEX™. It feels even softer than luxury cashmere wool. Smooth against the skin, it is more comfortable to wear than any fiber that has come before. Blending with other fibers does not affect its superb softness, while maintaining the beneficial qualities of the blended fibers.



Form Stability

Keeps its shape to look great.

A spring-like, helical molecular structure provides form stability to "spring" back into shape even with movement. The fiber resists wrinkles and does not easily get stretched out from repeated bending at the knee or elbow, maintaining a beautiful shape at all times. There is also little shrinkage or stretch even after repeated machine washings and tumble drying, demonstrating superb dimensional stability.



Comfortable Stretch

Stretchiness that feels great, with no stress.

SOLOTEX™ is surprisingly free of any feeling of pressure, even following the lines of the body. It expands and contracts in any direction with the body's movement, feeling truly comfortable and allowing for free movement. SOLOTEX™ is ideal for tight-fitting bottom wear and active clothing.



Harmonize

Harmonizes well with other fibers for even greater potential.

SOLOTEX™ is easy to combine with other fibers. It is highly compatible with both synthetic and natural fibers, for blending as desired. The fiber will add a soft texture to improve the feel against the skin, and it provides superb stretch and recovery from elongation. It is possible to add new texture and new functionality while bringing out the characteristics of the blended fiber.



Ecology

Plant-derived eco-friendly ingredients.

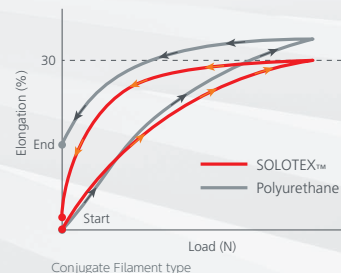
Plant-derived ingredients are used for about 37% of the polymers that make up SOLOTEX™. The fabric thus reduces consumption of fossil fuels, and helps cut down on greenhouse gases. SOLOTEX™ is an eco-friendly fiber that is kind to people and on the environment.

■ Comparison of required strength when bending the fiber

	Initial Young's modulus (cN/dtex)
SOLOTEX™	20
Cashmere	25
Nylon 6,6	31
Polyester	97

Multifilament type

■ Stretchability comparison at load of 15 N



<http://www.solotex.net/english/>

TEIJIN FRONTIER CO., LTD.